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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7

Complete if Known

Application Number	09/827,383
Filing Date	04/04/01
First Named Inventor	Mittmann, et. al.
Group Art Unit	1631
Examiner Name	TBD
Attorney Docket Number	3108.1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
N	1	LIPSHUTZ RJ: Letter from Dr. Lipshutz to Dr. Carrano, August 22, 1994. Link	
	2	AFFYMETRIX: GeneChip® Assays and Controls Price List, November, 1997. Link	
	3	AFFYMETRIX: GeneChip® Arrays and Assays Product List, January, 1998. Link	
	4	AFFYMETRIX: GeneChip® Arrays and Assays Product List, November, 1998. Link	
	5	AFFYMETRIX: GeneChip® Arrays and Reagents, February, 1999. Link	
	6	AFFYMETRIX: GeneChip® Price Catalog (U.S. and Canada), July, 1999. Link	
	7	AFFYMETRIX: Addendum (U.S. and Canada) GeneChip® Arrays and Reagents, August, 1999. Link	
	8	AFFYMETRIX: GeneChip® Price Catalog (U.S. and Canada), January, 2000. Link	
	9	AFFYMETRIX: Affymetrix® Catalog Addendum GeneChip® Arrays and Reagents (U.S. and Canada), February, 2000. Link	
	10	AFFYMETRIX: Affymetrix® Product Catalog (Global), August, 2000. Link	
N	11	AFFYMETRIX: Affymetrix® Product Catalog (Global), January, 2001. Link	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/827,383
Sheet	2	of	7
		Filing Date	04/04/01
		First Named Inventor	Mittmann, et. al.
		Group Art Unit	1631
		Examiner Name	TBD
		Attorney Docket Number	3108.1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
N	12	AFFYMETRIX: Affymetrix® Product Catalog (Global), January, 2002. Link	
	13	AFFYMETRIX: Affymetrix® Product Catalog (Global), July, 2002. Link	
	14	AFFYMETRIX: Product Information GeneChip® HuSNP Mapping Assay, 1999. Link	
	15	AFFYMETRIX: Product Information GeneChip® GenFlex™ Tag Array, 2000. Link	
	16	AFFYMETRIX: Product Information GeneChip® Yeast Genome S98 Array, 2000. Link	
	17	AFFYMETRIX: Product Information GeneChip® HIV PRT Assay, 1997. Link	
	18	AFFYMETRIX: Product Information GeneChip® HIV PRT Plus, 1998. Link	
	19	AFFYMETRIX: Product Information GeneChip® p53 Assay, 1997. Link	
	20	AFFYMETRIX: Product Information GeneChip® p53 Probe Array and Reagents, 1998. Link	
	21	AFFYMETRIX: Product Information GeneChip® CYP450 Assay, 1997. Link	
	22	AFFYMETRIX: Product Information GeneChip® CYP450 Probe Array and Reagents, 1998. Link	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 7

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<i>N</i>	23	AFFYMETRIX: Product Information GeneChip® Hu6800 Array, 1998. Link	
	24	AFFYMETRIX: Product Information Human Genome U95 Set, 2000. Link	
	25	AFFYMETRIX: Product Information GeneChip® Human Genome U133 Set, 2001. Link	
	26	AFFYMETRIX: Product Information GeneChip® Human Genome Focus Array, 2002. Link	
	27	AFFYMETRIX: Product Information GeneChip® Human Cancer G110 Array, 1999. Link	
	28	AFFYMETRIX: Product Information Rat Neurobiology U34 Array, 2000. Link	
	29	AFFYMETRIX: Product Information GeneChip® Rat Genome U34 Array Set, 1999. Link	
	30	AFFYMETRIX: Product Information GeneChip® Test1, 1998. Link	
	31	AFFYMETRIX: Product Information GeneChip® Test2 Array, 1999. Link	
<i>✓</i>	32	AFFYMETRIX: Product Information GeneChip® Test3 Array, 2001. Link	
<i>N</i>	33	AFFYMETRIX: Product Information GeneChip® Yeast Genome S98 Array, 1999. Link	

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Sheet 4 of 7

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Application Number	09/827,383
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Attorney Docket Number	3108.1

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2	34	AFFYMETRIX: Product Information GeneChip® Mu8500 Set, 1998. Link	
	35	AFFYMETRIX: Product Information GeneChip® Murine Genome U74 Set, 2001. Link	
	36	AFFYMETRIX: Product Information GeneChip® Murine 11K Set, 1998. Link	
	37	AFFYMETRIX: Product Information GeneChip® Murine 11K Set, 2001. Link	
	38	AFFYMETRIX: Product Information GeneChip® Murine 19K Set, 1998. Link	
	39	AFFYMETRIX: Product Information Arabidopsis Genome Array, 2000. Link	
	40	AFFYMETRIX: Product Information GeneChip® Arabidopsis ATH1 Genome Array, 2002. Link	
	41	AFFYMETRIX: Product Information E. coli Genome Array, 2000. Link	
	42	AFFYMETRIX: Product Information GeneChip® E. coli Antisense Genome Array, 2001. Link	
	43	AFFYMETRIX: Product Information GeneChip® P. aeruginosa Genome Array, 2001. Link	
2	44	AFFYMETRIX: Product Information P. aeruginosa Genome Array, 2001. Link	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 7

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✓	45	AFFYMETRIX: Product Information Drosophila Genome Array, 2000. Link	
	46	AFFYMETRIX: Product Information GeneChip® B. subtilis Genome Array, 2002. Link	
	47	AFFYMETRIX: Product Information GeneChip® C. elegans Genome Array, 2002. Link	
	48	AFFYMETRIX: Product Information GeneChip® Custom Arrays, 1998. Link	
	49	AFFYMETRIX: Product Information GeneChip® Custom Arrays, 2002. Link	
	50	AFFYMETRIX: Product Information GeneChip® Ye6100 Set, 1998. Link	
	51	AFFYMETRIX: Product Information GeneChip® Human 35K Set, 1998. Link	
	52	CRONIN MT, ET AL, "Cystic fibrosis mutation detection by hybridization to light-generated DNA probe arrays", Human Mutation, 1998, 7, 3, 244-55. Link	
	53	HACIA JG, ET AL, "Detection of heterozygous mutations in BRCA1 using high density oligonucleotide arrays and two-colour fluorescence analysis", Nature Genetics, 1998, 14, 4, 441-7. Link	
	54	KOZAL MJ, ET AL, "Extensive polymorphisms observed in HIV-1 clade B protease gene using high-density oligonucleotide arrays", Nature Medicine, 1998, 2, 7, 753-9. Link	
✓	55	LOCKHART DJ, ET AL, "Expression monitoring by hybridization to high-density oligonucleotide arrays", Nature Biotechnology, 1998, 14, 13, 1675-80. Link	

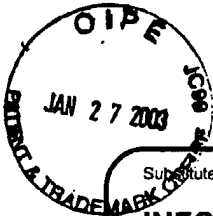
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Substitute for form 1449A/PTO		Complete if Known	
		Application Number	09/827,383
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	04/04/01
		First Named Inventor	Mittmann, et. al.
		Group Art Unit	1631
		Examiner Name	TBD
		Attorney Docket Number	3108.1
Sheet	6	of	7

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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✓	56	SHOEMAKER DD, ET AL, "Quantitative phenotypic analysis of yeast deletion mutants using a highly parallel molecular bar-coding strategy", Nature Genetics, 1998, 14, 4, 450-6. Link	TECH CENTER 1600/2900
	57	WODICKA L, ET AL, "Genome-wide expression monitoring in Saccharomyces cerevisiae", Nature Biotechnology, 1997, 15, 13, 1359-67. Link	
	58	DE SAIZIEU A, ET AL, "Bacterial transcript imaging by hybridization of total RNA to oligonucleotide arrays", Nature Biotechnology, 1998, 16, 1, 45-8. Link	
	59	FAN JB, ET AL, "Parallel genotyping of human SNPs using generic high-density oligonucleotide tag arrays", Genome Research, 2000, 10, 6, 853-60. Link	
	60	HARMER SL, ET AL, "Orchestrated transcription of key pathways in Arabidopsis by the circadian clock", Science, 2000, 290, 5499, 2110-3. Link	
	61	RIENECK K, ET AL, "Massive parallel gene expression profiling of RINm5F pancreatic islet beta-cells stimulated with interleukin-1beta", Apms, 2000, 108, 12, 855-72. Link	
	62	RUDD KE, "New tools for an old workhorse", Nature Biotechnology, 2000, 18, 12, 1241-2. Link	
	63	SELINGER DW, ET AL, "RNA expression analysis using a 30 base pair resolution Escherichia coli genome array", Nature Biotechnology, 2000, 18, 12, 1262-8. Link	
	64	TRAVERS KJ, ET AL, "Functional and genomic analyses reveal an essential coordination between the unfolded protein response and ER-associated degradation", Cell, 2000, 101, 3, 249-58. Link	
✓	65	HAKAK Y, ET AL, "Genome-wide expression analysis reveals dysregulation of myelination-related genes in chronic schizophrenia", Proceedings of the National Academy of Sciences, USA, 2001, 98, 6, 4746-51. Link	
✓	66	LU SC, ET AL, "Methionine adenosyltransferase 1A knockout mice are predisposed to liver injury and exhibit increased expression of genes involved in proliferation", Proceedings of the National Academy of Sciences, USA, 2001, 98, 10, 5560-5. Link	

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Sheet 7 of 7

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2	67	MACDONALD TJ, ET AL, "Expression profiling of medulloblastoma: PDGFRA and the RAS/MAPK pathway as therapeutic targets for metastatic disease", Nature Genetics, 2001, 29, 2, 143-52. Link	
	68	NICULESCU AB, 3RD, ET AL, "The human genome: genetic testing and animal models", American Journal of Psychiatry, 2001, 158, 10, 1587. Link	
	69	STAMEY TA, ET AL, "Molecular genetic profiling of Gleason grade 4/5 prostate cancers compared to benign prostatic hyperplasia", Journal of Urology, 2001, 166, 6, 2171-7. Link	
	70	WELSH JB, ET AL, "Analysis of gene expression profiles in normal and neoplastic ovarian tissue samples identifies candidate molecular markers of epithelial ovarian cancer", Proceedings of the National Academy of Sciences, USA, 2001, 98, 3, 1176-81. Link	
	71	CHEE M, ET AL, "Accessing genetic information with high-density DNA arrays", Science, 1996, 274, 5287, 810-4. Link	
	72	CHO RJ, ET AL, "Parallel analysis of genetic selections using whole genome oligonucleotide arrays", Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 7, 3752-7. Link	TECH CENTER 1600/2900
	73	BAKAY, ET AL, "Sources of variability and effect of experimental approach on expression profiling data interpretation", 2002, 3:4. Link	
	74	CARMEL, ET AL, "Gene expression profiling of acute spinal cord injury reveals spreading inflammatory signals and neuron loss", Physiol Genomics 2001, 7:201-213. Link	
2	75	AFFYMETRIX, INC. Securities and Exchange Commission Filing S-3 filed on October 17, 1997, also available at http://www.sec.gov/Archives/edgar/data/913077/0001047469-97-001100.txt . Link	

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
2	76	US-5,143,854	09-01-1992	Pirrung et al. Link	
2	77	US- 5,800,992	08-25-1998	Fodor et al. Link	

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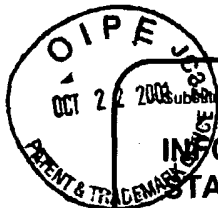
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**INFORMATION DISCLOSURE
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Sheet 1 of 2

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Application Number	09/827,383
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First Named Inventor	Michael P. Mittmann
Group Art Unit	
Examiner Name	
Attorney Docket Number	04537.005 / 3108.1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code2 (if known)			
R		4,359,353		Kydd	11/18/1982	
		4,441,943		Kydd	04/10/1984	
		5,451,505		Dollinger	09/19/1995	
		5,854,413		Brenner	08/05/1997	
		5,143,854		Pimung, et al.	09/01/1992	
		5,242,978		Barnum, et al.	09/07/1993	
		5,252,743		Barrett, et al.	10/12/1993	
		5,324,863		Lowe	06/28/1994	
		5,384,261		Winkler, et al.	01/24/1995	
		5,405,783		Pimung, et al.	04/11/1995	
		5,412,087		McGall, et al.	05/02/1995	
		5,424,188		Fodor, et al.	06/13/1995	
		5,445,934		Fodor, et al.	08/29/1995	
		5,451,683		Barrett, et al.	09/19/1995	
		5,482,867		Barrett, et al.	01/09/1996	
		5,489,678		Fodor, et al.	02/06/1996	
		5,491,074		Aldwin, et al.	02/13/1996	
		5,510,270		Fodor, et al.	04/23/1996	
		5,527,681		Holmes	06/18/1996	
		5,550,215		Holmes	08/27/1996	
		5,571,639		Hubbell, et al.	11/05/1996	
		5,593,839		Hubbell, et al.	01/14/1997	
		5,599,695		Pease, et al.	02/04/1997	
		5,624,711		Sundberg, et al.	04/29/1997	
		5,631,734		Stern, et al.	05/20/1997	
		5,677,195		Winkler, et al.	10/14/1997	
		5,744,101		Fodor, et al.	04/28/1998	
		5,744,305		Fodor, et al.	04/28/1998	
		5,744,992		Baumann	04/28/1998	
		5,753,788		Fodor, et al.	05/19/1998	
		5,770,456		Holmes	06/23/1998	
		5,831,070		Pease, et al.	11/03/1998	
		5,856,011		Sogabe	01/05/1999	
		6,040,138		Lockhart, et al.	03/21/2000	
		6,040,193		Winkler, et al.	03/21/2000	
		09/079,324		Overbeck, et al.	N/A	

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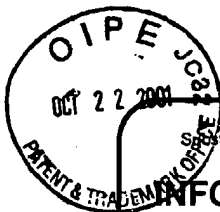
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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/827,383
				Filing Date	April 4, 2001
				First Named Inventor	Michael P. Mittmann
				Group Art Unit	
Examiner Name					
Sheet	2	of	2	Attorney Docket Number	04537.005 / 3108.1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
✓		09/122,216		Montagu	N/A	RECEIVED FEB 04 2002 TC 1700
		PCT WO US99/00730		Montagu	N/A	
		PROV 60/176,520		Balaban et al.	N/A	
		08/626,285		Davis et al.	N/A	
		5,149,625		Church, et al.	09/22/1992	
		5,654,413		Brenner	08/05/1997	
		5,800,992		Fodor, et al.	09/01/1998	
		PROV 60/140,359		Fan et al.	N/A	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T2
2	1.	DOLLINGER, The Polymerase Chain Reaction, 1994, 265-274, Mullis et al., editors (Birkhauser, Boston).		
	2.	ALPER, Science, 1994, 1399-1401, Volume 264.		
	3.	NEEDELS ET AL., PNAS, 1993, 10700-10704, Volume 90.		
	4.	J. SAMBROOK ET AL., EDS., Molecular Cloning. A Laboratory Manual, Second Ed., 1989, Cold Spring Harbor Laboratory Press.		
	5.	BERGER AND KIMMEL, Guide to Molecular Cloning Techniques, Methods in Enzymology, 1987, Academic Press, Inc., San Diego, CA, Volume 152.		
	6.	YOUNG AND DAVIS, Proc. Natl. Acad. Sci., p. 1194, 1983, U.S.A., Volume 80.		
	7.	BRENNER and LERNER, PNAS, 5281-5383, 1992, Volume 69.		
	8.	ALPER, Science, 1399-1401, 1994, Volume 264.		

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Sheet 1 of 4

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Application Number	09/827,383
Filing Date	4/5/2001
First Named Inventor	Lockhart
Art Unit	
Examiner Name	
Attorney Docket Number	3108.1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number - Kind Code ² (if known)				
✓	AA	4,359,353	11/16/1982	Kydd		
	AB	4,441,943	04/10/1984	Kydd		
	AC	5,451,505	09/19/1995	Dollinger		
	AD	5,654,413	08/05/1997	Brenner		
	AE	5,143,854	09/01/1992	Pirung, et al.		
	AF	5,242,979	09/07/1993	Barnum, et al.		
	AG	5,252,743	10/12/1993	Barrett, et al.		
	AH	5,324,663	06/28/1994	Lowe		
	AI	5,384,261	01/24/1995	Winkler, et al.		
	AJ	5,405,783	01/11/1995	Pirung, et al.		
	AK	5,412,087	05/02/1995	McGill, et al.		
	AL	5,424,186	08/13/1995	Fodor, et al.		
	AM	5,445,934	08/29/1995	Fodor, et al.		
	AN	5,451,683	09/19/1995	Barrett, et al.		
	AO	5,482,867	01/09/1996	Barrett, et al.		
	AP	5,489,678	02/06/1996	Fodor, et al.		
	AQ	5,491,074	02/13/1996	Aldwin, et al.		
	AR	5,510,270	04/23/1996	Fodor, et al.		
	AS	5,527,681	06/18/1996	Holmes		
	AT	5,550,215	08/27/1996	Holmes		
	AU	5,571,639	11/05/1996	Hubbell, et al.		
	AV	5,593,839	01/14/1997	Hubbell, et al.		
	AW	5,599,695	02/04/1997	Pease, et al.		
	AX	5,624,711	04/29/1997	Sundberg, et al.		
	AY	5,631,734	05/20/1997	Stern, et al.		
	AZ	5,677,195	10/14/1997	Winkler, et al.		
	BA	5,744,101	04/28/1998	Fodor, et al.		
	BB	5,744,305	04/28/1998	Fodor, et al.		
✓	BC	5,744,992	04/28/1998	Baumann		
	BD	5,753,788	05/19/1998	Fodor, et al.		
✓	BE	5,770,456	06/23/1998	Holmes		

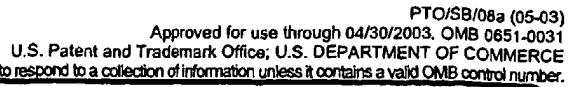
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	2	of	4
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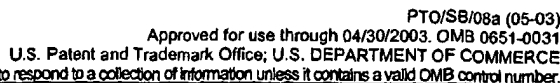
Application Number	09/827,383
Filing Date	4/5/2001
First Named Inventor	Lockhart
Art Unit	
Examiner Name	
Attorney Docket Number	3108.1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/827,383
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Filing Date	4/5/2001
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First Named Inventor	Lockhart
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Art Unit

Examiner Name

Attorney Docket Number	3108.1
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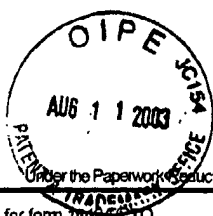
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/827,383
		Filing Date	4/5/2001
		First Named Inventor	Lockhart
		Group Art Unit	
		Examiner Name	
Sheet 4 of 4	Attorney Docket Number	3108.1	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	AA	DOLLINGER, The Polymerase Chain Reaction, 1994, 265-274, Mullis et al., editors (Birkhauser, Boston).	
✓	AB	ALPER, Science, 1994, 1399-1401, Volume 264.	
✓	AC	NEEDEL ET AL., PNAS, 1993, 10700-10704, Volume 90.	
✓	AD	YOUNG AND DAVIS, Proc. Natl. Acad. Sci., P. 1194, 1983, U.S.A., Volume 80.	
✓	AE	BRENNER and LERNER, PNAS, 5281-5383, 1992, Volume 89.	

Examiner Signature		Date Considered	4/25/03
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